FEDERAL ITEM IDENTIFICATION GUIDE

ADAPTER, ROUNDS LIMITER

ITEM NAME CODE

41922

Commander

Defense Logistics Information Service

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BY ORDER OF THE DIRECTOR

/s/

Commander

Defense Logistics Information Service

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ITEM CHARACTERISTICS DATA REQUIREMENTS

MRC	Mode Code	Requirements
NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the Item Name Code applicable to this FIIG. (e.g., NAMED41922*)

MATT D MATERIAL

Definition: THE CHEMICAL COMPOUND OR MECHANICAL MIXTURE PROPERTIES OF WHICH THE ITEM IS FABRICATED.

Reply Instructions: Enter the applicable ISAC from Appendix A, Table 1, followed by the Mode Code and the applicable Reply Code from Appendix A, Table 2. (e.g., MATT2XXDALB000*; MATT2XXDALA000$DALB000*;

MATT2APDALA000$$DALB000*

MATT2AXDALA000$DSTB000*)

MDCL * J MATERIAL DOCUMENT AND CLASSIFICATION

Definition: THE SPECIFICATION, STANDARD, OR MANUFACTURERS REFERENCE, AND THE CLASSIFICATION DESIGNATION, SUCH AS CLASS, CONDITION, TEMPER, AND THE LIKE, THAT IDENTIFIES THE MATERIAL.

Reply Instructions: Enter the applicable ISAC from Appendix A, Table 1, followed by the Mode Code, the applicable Reply Codes from Tables 1 and 2 below, and the document designator and classification.

(e.g., MDCL2XXJBAQQ-A-200/2*;

MDCL2APJBBQQ-A-200/2$$JBCQQ-S-634, COND

CD$JBCQQ-S-634, COND CF*)

Table 1

REPLY CODE	REPLY (AP33)
G	ASSN STD
B	FED SPEC
C	FED STD
F	MFR REF

MRC	Mode Code	Requirements
	D	MIL SPEC
	E	MIL STD
	H	NATIONAL SPEC
	M	NATIONAL STD/SPEC

Table 2

REPLY CODE	REPLY (AP18)
A	SINGLE MATERIAL RESPONSE
G	ALL MATERIAL RESPONSES (use only when all material is controlled by the same document and classifications are identical)
B	1ST MATERIAL RESPONSE
C	2ND MATERIAL RESPONSE
D	3RD MATERIAL RESPONSE
E	4TH MATERIAL RESPONSE
F	5TH MATERIAL RESPONSE

SFTT * D SURFACE TREATMENT

Definition: THE METALLIC, NONMETALLIC, AND/OR CHEMICAL PROPERTIES WITH WHICH THE ITEM IS PLATED, DIPPED, AND/OR COATED. THE TREATMENT IS DESIGNED TO PROTECT THE SURFACE(S) AND CANNOT BE WIPED OFF.

Reply Instructions: Enter the applicable ISAC from Appendix A, Table 1, followed by the Mode Code and the applicable Reply Code from Appendix A, Table 3. (e.g., SFTT2XXDANA000*;

SFTT2XXDANA000$$DCDA000*

SFTT2XXDANA000$DCDA000*)

STDC * J SURFACE TREATMENT DOCUMENT AND CLASSIFICATION

Definition: THE SPECIFICATION, STANDARD, OR MANUFACTURERS REFERENCE, AND THE CLASSIFICATION DESIGNATION, SUCH AS TYPE, CLASS, GRADE, AND THE LIKE, THAT IDENTIFIES THE SURFACE TREATMENT MATERIAL.

Reply Instructions: Enter the applicable ISAC from Appendix A, Table 1, followed by the Mode Code, the applicable Reply Codes from Tables 1 and 2 below, and the document designator and the classification.

(e.g., STDC2XXJDAMIL-A-8625, TYPE 1, CLASS 1*;

MRC	Mode Code	Requirements

STDC2XXJDBMIL-A-8625, TYPE 1, CLASS 1$$JBCQQ-P-416, TYPE 1, CLASS 2$JBCQQ-P-416, TYPE 2, CLASS 1*)

Table 1

REPLY CODE	REPLY (AP33)
G	ASSN STD
B	FED SPEC
C	FED STD
F	MFR REF
D	MIL SPEC
E	MIL STD
H	NATIONAL SPEC
M	NATIONAL STD/SPEC

Table 2

REPLY CODE	REPLY (AP39)
A	SINGLE TREATMENT RESPONSE
G	ALL TREATMENT RESPONSES (use only when all treatment is controlled by the same document and classifications are identical)
B	1ST TREATMENT RESPONSE
C	2ND TREATMENT RESPONSE
D	3RD TREATMENT RESPONSE
E	4TH TREATMENT RESPONSE
F	5TH TREATMENT RESPONSE

AETC * J METALLIC HARDNESS RATING

Definition: A NUMERIC VALUE THAT REFLECTS THE HARDNESS OF A METALLIC ITEM WHEN USED IN CONJUNCTION WITH A HARDNESS RATING SCALE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AETCJARC32.0*; AETCJBRB30.0$$JCRB32.0*)

Table 1

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

Table 2

REPLY CODE	REPLY (AC26)
RB	ROCKWELL B

MRC	Mode Code	Requirements
	RC	ROCKWELL C

ABHP * J OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA2.500*; ABHPJLA63.5*; ABHPJAB0.530$$JAC0.550*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ABMK * J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA0.750*; ABMKJLA19.0*; ABMKJAB0.725$$JAC0.750*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ABKW * J OVERALL HEIGHT

MRC	Mode Code	Requirements

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA0.750*; ABKWJLA10.2*; ABKWJAB0.745$$JAC0.755*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

AHVQ D WEAPON FOR WHICH DESIGNED

Definition: AN INDICATION OF THE WEAPON(S) FOR WHICH THE ITEM IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from Appendix A, Table 4. (e.g., AHVQDACW*)

AMWN A MODEL NUMBER

Definition: THE COMBINED GROUP OF LETTERS, NUMERALS, AND/OR SYMBOLS WHICH COMPOSE THE ASSIGNED MODEL NUMBER OF THE ITEM.

Reply Instructions: Enter the reply. (e.g., AMWNAM5A1*)

AMWX D FEED METHOD

Definition: THE MEANS BY WHICH THE ITEM IS FED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AMWXDAAF*; AMWXDAAF$$DAAD*)

REPLY CODE	REPLY (AJ28)
AAF	CLIP
AAB	DISINTEGRATING METALLIC LINK BELT
AAC	FABRIC BELT
AAE	MAGAZINE

MRC	Mode Code	Requirements
	AAD	MANUAL
	ABD	NONDISINTEGRATING METALLIC LINK BELT

APHE D OPERATION METHOD

Definition: THE MEANS USED TO OPERATE THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APHEDAEW*; APHEDAEW$DAFD*)

REPLY CODE	REPLY (AC58)
AAZ	ELECTRIC
ADE	GAS
AAE	HYDRAULIC
AAF	MANUAL
AGM	RECOIL
AGN	SHORT RECOIL
AGP	SLIDE ACTION

AMXE * A FEEDING DEVICE CAPACITY

Definition: AN INDICATION OF THE CAPACITY OF THE FEEDING DEVICE.

Reply Instructions: Enter the numeric value.

(e.g., AMXEA400-500*)

ACST * D MOUNTING END TYPE

Definition: INDICATES THE TYPE OF END WHICH IS USED TO MOUNT THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ACSTDAAE*)

REPLY CODE	REPLY (AB86)
AAE	CONCAVE
AAF	FLAT
AAG	SADDLE FLANGE

CTCJ * L FLANGE STYLE

MRC	Mode Code	Requirements

Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE FLANGE.

Reply Instructions: Enter the applicable ISAC from Appendix A, Table 5, followed by the Mode Code and the applicable style number from Appendix B, Reference Drawing Group A (e.g., CTCJ1AL1*)

CRFY * J FLOW ANGLE

Definition: THE ANGLE THAT THE FLOW IS TURNED FROM THE STRAIGHT FLOW.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CRFYJD11.2*; CRFYJR1.5*)

REPLY CODE	REPLY (AP38)
D	DEGREES
R	RADIANS

CWFW * J BEND CENTER TO CENTER NOMINAL DISTANCE

Definition: THE NOMINAL DISTANCE FROM THE CENTERLINE OF THE OPENING AT ONE END TO THE CENTERLINE OF THE OPENING AT THE OPPOSITE END.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CWFWJA1.500*; CWFWJL38.1*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

TMQY * J FURNISHED ITEMS AND QUANTITY

Definition: THE NAME AND NUMBER OF THOSE PARTS FURNISHED WITH ITEM OF SUPPLY THAT HAVE NOT BEEN SPECIFIED ELSEWHERE.

Reply Instructions: Enter the applicable Reply Code from Appendix A, Table 6, followed by the quantity. (e.g., TMQYJACN1*; TMQYJADX4$$JACA4*)

CBBL * D FEATURES PROVIDED

MRC	Mode Code	Requirements

DEFINITION: THOSE FEATURES, NOT OTHERWISE SPECIFIED, WHICH MAY BE REQUIRED FOR PROPER FUNCTIONING OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from the table below. (e.g. CBBLDXXX*)

REPLY CODE	REPLY (AN47)
AEQ	CASEHARDENED
FJN	PROTECTIVE GUARD

FEAT * G SPECIAL FEATURES

Definition: THOSE UNUSUAL OR UNIQUE CHARACTERISTICS OR QUALITIES OF AN ITEM NOT COVERED IN THE OTHER REQUIREMENTS AND WHICH ARE DETERMINED TO BE ESSENTIAL FOR IDENTIFICATION.

Reply Instructions: Enter the reply in clear text. Separate multiple replies with a semicolon. (e.g., FEATGADJUSTABLE NOSE CLIP*; FEATGADJUSTABLE NOSE PIECE;DISPOSABLE*)

TEST * J TEST DATA DOCUMENT

Definition: THE SPECIFICATION, STANDARD, DRAWING, OR SIMILAR INSTRUMENT THAT SPECIFIES ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS OR TEST CONDITIONS UNDER WHICH AN ITEM IS TESTED AND ESTABLISHES ACCEPTABLE LIMITS WITHIN WHICH THE ITEM MUST CONFORM IDENTIFIED BY AN ALPHABETIC AND/OR NUMERIC REFERENCE NUMBER. INCLUDES THE COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE OF THE ENTITY CONTROLLING THE INSTRUMENT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the 5-position CAGE code, a dash, and the document identification number. (e.g., TESTJA12345-CWX654321*; TESTJA12345-654321$$JB55566\N66354*; TESTJA12345-654321$JB55566-663654*)

REPLY CODE	REPLY (AC28)
A	SPECIFICATION (Includes engineering type bulletins, brochures, etc., that reflect specification type data in specification format; excludes commercial catalogs, industry directories, and similar trade publications, reflecting general type data on certain environmental and performance requirements and test conditions that are

MRC	Mode Code	Requirements
		shown as "typical", "average", "nominal", etc.)
	B	STANDARD (Includes industry or association standards, individual manufacturer standards, etc.)
	C	DRAWING (This is the basic governing drawing, such as a contractor drawing, original equipment manufacturer drawing, etc; excludes any specification, standard, or other document that may be referenced in a basic governing drawing.)

SPCL * G SPECIAL TEST FEATURES

Definition: TEST CONDITIONS AND RATINGS, OR ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS THAT ARE DIFFERENT, MORE CRITICAL, OR MORE SPECIFIC THAN THOSE SPECIFIED IN A GOVERNING TEST DATA DOCUMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SPCLGSELECTED AND TESTED FOR NAVIGATIONAL SYSTEMS*)

ZZZK * J SPECIFICATION/STANDARD DATA

Definition: THE DOCUMENT DESIGNATOR OF THE SPECIFICATION OR STANDARD WHICH ESTABLISHED THE ITEM OF SUPPLY.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the Commercial and Government Entity (CAGE) Code of the entity controlling the document, a dash, and the document designator. The agency that controls the limited coordination document must be preceded and followed by a slash following the designator. The word canceled or superseded must be preceded and followed by a slash for the designator. Professional and industrial association specifications/standards are differentiated from a manufacturer's specification in that the data has been coordinated and published by the professional and industrial association. Include amendments and revisions where applicable.

(e.g., ZZZKJT81337-30642B*;

ZZZKJS81349-MIL-D-180 REV1/CANCELED/*;

ZZZKJP80205-NAS1103*;

ZZZKJS81349-MIL-C-1140C/CE/*;

ZZZKJT81337-30642B$$JP80205-NAS1103*)

REPLY CODE	REPLY (AN62)

MRC	Mode Code	Requirements
	S	GOVERNMENT SPECIFICATION
	T	GOVERNMENT STANDARD
	D	MANUFACTURERS SOURCE CONTROL
	R	MANUFACTURERS SPECIFICATION
	N	MANUFACTURERS SPECIFICATION CONTROL
	M	MANUFACTURERS STANDARD
	B	NATIONAL STD/SPEC
	A	PROFESSIONAL/INDUSTRIAL ASSOCIATION SPECIFICATION
	P	PROFESSIONAL/INDUSTRIAL ASSOCIATION STANDARD

ZZZT * J NONDEFINITIVE SPEC/STD DATA

NOTE FOR MRC ZZZT: IF THE SPECIFICIATION/STANDARD CITED IN REPLY TO MRC ZZZK IS NONDEFINITIVE, REPLY TO MRC ZZZT. THIS REPLY IS THE DATA WHICH IS NOT RECORDED IN SEGMENT C.

Definition: THE NUMBER, LETTER, OR SYMBOL THAT INDICATES THE TYPE, STYLE, GRADE, CLASS, AND THE LIKE, OF AN ITEM IN A NONIDENTIFYING SPECIFICATION OR STANDARD.

Reply Instructions: Enter the applicable Reply Code from Appendix A, Table 7, followed by the appropriate number, letter, or symbol. (e.g., ZZZTJTY1*; ZZZTJTY1$$JSTA*; ZZZTJTY1$JSTA*)

ZZZW * G DEPARTURE FROM CITED DOCUMENT

Definition: THE TECHNICAL DIFFERENTIATING CHARACTERISTIC(S) OF AN ITEM OF SUPPLY WHICH DEPARTS(S) FROM THE TEXT OF A SPECIFICATION OR A STANDARD IN THAT IT REPRESENTS A SELECTION OF CHARACTERISTICS STATED IN THE SPECIFICATION OR STANDARD AS BEING OPTIONAL, OR A VARIATION FROM ONE OR MORE OF THE STATED CHARACTERISTICS, OR AN ADDITIONAL CHARACTERISTIC NOT STATED IN THE SPECIFICATION OR STANDARD.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZWGAS MODIFIED BY MATERIAL*)

ZZZX * G DEPARTURE FROM CITED DESIGNATOR

Definition: THE VARIATION WHEN THE ITEM IS IN CONFORMITY WITH A TYPE DESIGNATOR COVERED BY A SPECIFICATION OR STANDARD, EXCEPT IN REGARD TO ONE OR MORE TECHNICAL DIFFERENTIATING CHARACTERISTICS.

MRC	Mode Code	Requirements

Reply Instructions: Enter the reply in clear text. (e.g., ZZZXGAS MODIFIED BY MATERIAL*)

CRTL * A CRITICALITY CODE JUSTIFICATION

Definition: THE MASTER REQUIREMENT CODES OF THOSE REQUIREMENTS WHICH ARE TECHNICALLY CRITICAL BY REASON OF TOLERANCE, FIT, PERFORMANCE, OR OTHER CHARACTERISTICS WHICH AFFECT IDENTIFICATION OF THE ITEM.

Reply Instructions: Enter the Master Requirement Code for the requirement, the reply to which renders the item as being critical. (e.g., CRTLAAKJA*; CRTLAAKJA$$ACSGS*)

Reply to this requirement only if the header record for the item identification for the item being identified has been coded as critical.

PRPY * A PROPRIETARY CHARACTERISTICS

NOTE: If Document Availability Code B, D, F, or H, reply to MRC PRPY.

Definition: IDENTIFICATION OF THOSE CHARACTERISTICS INCLUDED IN THE DESCRIPTION FOR WHICH A NON-GOVERNMENT ACTIVITY HAS IDENTIFIED ALL OR SELECTED CHARACTERISTICS OF THE ITEM AS BEING PROPRIETARY AND THEREFORE RESTRICTED FROM RELEASE OUTSIDE THE GOVERNMENT WITHOUT PRIOR PERMISSION OF THE ORIGINATOR OF THE DATA.

Reply Instructions: Enter the MRC codes of the individual characteristics of the description which are marked proprietary on the technical data, using AND coding ($$) for multiple characteristics. If all the MRCs are proprietary, enter the reply PACS. If none of the MRCs is proprietary, enter the reply NPAC. (e.g., PRPYAPACS*; PRPYANPAC*; PRPYAAKJA$$ACSGS*)

ZZZY * G REFERENCE NUMBER DIFFERENTIATING CHARACTERISTICS

Definition: A FEATURE OF THE ITEM OF SUPPLY WHICH MUST BE SPECIFICALLY RECORDED WHEN THE REFERENCE NUMBER COVERS A RANGE OF ITEMS.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZYGCOLOR CODED LEADS*; ZZZYGAS DIFFERENTIATED BY MATERIAL*)

ELRN * G EXTRA LONG REFERENCE NUMBER

MRC	Mode Code	Requirements

Definition: A REFERENCE NUMBER EXCEEDING 32 POSITIONS.

Reply Instructions: Enter the entire reference number. Do not include the 5-position Commercial and Government Entity (CAGE) Code unless there is more than one extra long reference number on the NSN, (e.g., ELRNGANN112036BIL060557LEN313605UZ62365*).

If there is more than one extra long reference number on the NSN, include the CAGE or NCAGE and separate each reference by using the "&" character, (e.g., 28480 ANN112036BIL060557LEN313605UZ62365 & S1234 NN112036BIL060557LEN313605UZ62365).

In determining quantity of characters in the reference number, count will be made after modification in accordance with Volume 2, Chapter 9, FLIS Procedures Manual, DoD 4100.39-M.

ELCD * D EXTRA LONG CHARACTERISTIC DESCRIPTION

Definition: A DESCRIPTION THAT EXCEEDS 5000 CHARACTERS.

Reply Instructions: Enter the Reply Code from the table below. (e.g., ELCDDA*)

REPLY CODE	REPLY (AN58)
A	ADDITIONAL DESCRIPTIVE DATA ON MANUAL RECORD

ZZZV * G FSC APPLICATION DATA

Definition: THE JUSTIFICATION FOR THE ASSIGNMENT OF A FEDERAL SUPPLY CLASS (FSC) TO AN ITEM BASED ON THE CLASSIFICATION OF THE NEXT HIGHER CLASSIFIABLE ASSEMBLY.

Reply Instructions: Enter the name of the next higher classifiable assembly in clear text. (e.g., ZZZVGFUEL SYSTEM, GASOLINE ENGINE, NONAIRCRAFT*)

AGAV * G END ITEM IDENTIFICATION

Definition: THE NATIONAL STOCK NUMBER OR THE IDENTIFICATION INFORMATION OF THE END EQUIPMENT FOR WHICH THE ITEM IS A PART.

Reply Instructions: Enter the reply in clear text.

(e.g.,AGAVG3930-00-000-0000*;

MRC	Mode Code	Requirements
		AGAVGFORKLIFT TRUCK, SMITH CORP, MODEL 12, TYPE A*)
CXCY *	G	PART NAME ASSIGNED BY CONTROLLING AGENCY
		Definition: THE NAME ASSIGNED TO THE ITEM BY THE GOVERNMENT AGENCY OR COMMERCIAL ORGANIZATION CONTROLLING THE DESIGN OF THE ITEM.
		Reply Instructions: Enter the reply in clear text. (e.g., CXCYGLINE PROCESSOR CONTROL BOARD*)
CLQL *	G	COLLOQUIAL NAME
		Definition: A COMMON USAGE NAME BY WHICH AN ITEM IS KNOWN.
		Reply Instructions: Enter the reply in clear text. (e.g., CLQLGWOVEN WIRE CLOTH*)

Reply Tables

IDENTIFIED SECONDARY ADDRESS CODING

ISAC FIELD INDICATOR	LOCATION (0263)
2XX	OVERALL (one piece fittings)
2AA	BALL BEARING
2AB	BALL END
2AC	BAND
2AD	BEARING
2AE	BODY
2AF	BOLT
2AG	BRAZING RING
2AH	CAP
2AJ	CLAMP
2BH	DIE NUT
2AK	ELBOW
2AL	FLANGE
2AM	FOLLOWER RING
2BE	GASKET
2BF	HOSE GROMMET
2AN	INSIDE
2BG	LOCK NUT
2BD	LOCK RING
2BJ	LONG SWIVEL NUT
2AP	NIPPLE
2AQ	NUT
2AR	OUTSIDE
2AT	PLUG
2BK	RETAINER
2AV	SEAT
2BL	SHORT SWIVEL NUT
2AW	SHOULDER
2AX	SLEEVE
2AY	SOCKET
2BM	STUD
2AZ	TAILPIECE
2BN	TEE
2BA	THREAD PIECE
2BB	TUBE
2BC	UNION

MATERIALS

REPLY CODE	REPLY (MA01)
ALA000	ALUMINUM
ALB000	ALUMINUM ALLOY
BEA000	BERYLLIUM

REPLY CODE	REPLY (MA01)
	Brass (use Reply Code CUB000)
	Brass Naval (use Reply Code CUB000)
	Brass Red (use Reply Code CUB000)
	Bronze (use Reply Code CUB000)
	Bronze Aluminum (use Reply Code CUB000)
	Brass (use Reply Code CUB000)
AL0002	ALUMINUM ALLOY A356.0
AL0033	ALUMINUM ALLOY B443.0
AL0008	ALUMINUM ALLOY C443.0
AL0024	ALUMINUM ALLOY D712.0
AL1100	ALUMINUM ALLOY 1100
	Aluminum Alloy 113 (use Reply Code AL0213)
AL2011	ALUMINUM ALLOY 2011
AL2014	ALUMINUM ALLOY 2014
AL2017	ALUMINUM ALLOY 2017
AL0181 #	ALUMINUM ALLOY 2017A
AL2018	ALUMINUM ALLOY 2018
AL2024	ALUMINUM ALLOY 2024
AL0034	ALUMINUM ALLOY 208.0
AL0213	ALUMINUM ALLOY 213.0
AL2219	ALUMINUM ALLOY 2219
AL2618	ALUMINUM ALLOY 2618
AL0182 #	ALUMINUM ALLOY 2618A
AL0309	ALUMINUM ALLOY 308.1
AL3003	ALUMINUM ALLOY 3003
AL0035	ALUMINUM ALLOY 319.0
AL0036	ALUMINUM ALLOY 328.0
	Aluminum Alloy 355 (use Reply Code AL0045)
AL0045	ALUMINUM ALLOY 355.0
	Aluminum Alloy 356 (use Reply Code AL0046)
AL0046	ALUMINUM ALLOY 356.0
AL0031	ALUMINUM ALLOY 380.0
AL5052	ALUMINUM ALLOY 5052
AL5083	ALUMINUM ALLOY 5083
AL5086	ALUMINUM ALLOY 5086
AL6061	ALUMINUM ALLOY 6061
AL6063	ALUMINUM ALLOY 6063
AL6151	ALUMINUM ALLOY 6151
AL7075	ALUMINUM ALLOY 7075
AL7178	ALUMINUM ALLOY 7178
BEA000	BERYLLIUM
	Brass (use Reply Code CUB000)
	Brass Naval (use Reply Code CUB000)
	Brass Red (use Reply Code CUB000)
	Bronze (use Reply Code CUB000)
BNA000 #	BRONZE ALUMINUM
	Bronze Manganese (use Reply Code CUB000)
	Bronze Valve (use Reply Code CUB000)

REPLY CODE	REPLY (MA01)
CRA000	CHROMIUM
CRB000	CHROMIUM ALLOY
CUA000	COPPER
CUB000	COPPER ALLOY
CU0196	COPPER ALLOY 905
GSA000	GLASS
GSB000	GLASS FIBER
	Gunmetal (use Reply Code CU0196)
FEA000	IRON
FEF000	IRON ALLOY
FEB000	IRON CAST
FEH000	IRON CAST MALLEABLE
PBA000	LEAD
LRA000	LEATHER
MGA000	MAGNESIUM
MNA000	MANGANESE
MBA000	MOLYBDENUM
NLA000	NICKEL
NLB000	NICKEL ALLOY
	Nickel Cooper Alloy (use Reply Code NLB000)
	Nickel Copper Aluminum Alloy (use Reply Code NBL000)
PCA000	PLASTIC
PCBL00	PLASTIC ABS
PCB000	PLASTIC ACETAL
PCD000	PLASTIC ACRYLIC
PCAN00	PLASTIC CELLULOSE ACETATE
PCDB00	PLASTIC CHLORINATED POLYVINYLCHLORIDE
PCH000	PLASTIC EPOXY
PCP000	PLASTIC POLYAMIDE
PCW000	PLASTIC POLYESTER
PCX000	PLASTIC POLYETHYLENE
PCY000	PLASTIC POLYETHYLENE TEREPHTHALATE
PCZ000	PLASTIC POLYHEXAMETHYLENE ADIPAMIDE
PCBE00	PLASTIC POLYPHENYLENE
PCAC00	PLASTIC POLYPROPYLENE
PCAD00	PLASTIC POLYSTYRENE
PCAF00	PLASTIC POLYTETRAFLUOROETHYLENE
PCAJ00	PLASTIC POLYVINYL CHLORIDE
PCBQ00	PLASTIC POLYVINYL DICHLORIDE
PCBG00	PLASTIC POLYVINYLIDENE CHLORIDE
PCAS00	PLASTIC POLYVINYLIDENE FLUORIDE
PCBC00	PLASTIC STYRENE
RSC000	RESIN NATURAL
RSB000	RESIN SILICONE
RSA000	RESIN SYNTHETIC
RCE000	RUBBER
RCAD00 #	RUBBER BUTADIENE NITRILE
RCA000	RUBBER NATURAL

REPLY CODE	REPLY (MA01)
RCB000	RUBBER SYNTHETIC
SLC000	SILICON
SLA000	SILICON ALLOY
AGA000	SILVER
STA000	STEEL
STB000	STEEL CORROSION RESISTING
	Steel Stainless (Use Reply Code STA000)
TTB000	TITANIUM
TTA000	TITANIUM ALLOY
ZNB000	ZINC
ZNA000	ZINC ALLOY

SURFACE TREATMENTS

REPLY CODE	REPLY (SF01)
ALB000	ALUMINUM
ANA000	ANODIZE
CDA000	CADMIUM
CMA000	CHROMATE
CMC000	CHROMATE MAGNESIUM
CMB000	CHROMATE ZINC
CRA000	CHROMIUM
CUA000	COPPER
CUB000	COPPER ALLOY
DCA000	DICHROMATE
DCB000	DICHROMATE POTASSIUM
DCC000 #	DICHROMATE ZINC
ENA000	ENAMEL
ENB000	ENAMEL LUSTERLESS
ENC000	ENAMEL SYNTHETIC LUSTERLESS
MSD000	EPOXY
MTE000 #	GUNMETAL
LQA000	LACQUER
PBB000	LEAD ALLOY
LCB000	LUBRICANT
LCC000	LUBRICANT DRY FILM
NLA000	NICKEL
LCA000	OIL
XXB000	OXIDE
XXA000	OXIDE FILM
PNA000	PAINT
PNB000	PAINT HEAT RESISTANT
PSA000	PASSIVATE
PHA000	PHOSPHATE
PHG000	PHOSPHATE FLUORIDE
PCA000	PLASTIC

REPLY CODE	REPLY (SF01)
PCB000	PLASTIC POLYTETRAFLUOROETHYLENE
PCC000	PLASTIC POLYVINYL CHLORIDE
PRA000	PRIMER
AGA000	SILVER
SNA000	TIN
TTA000	TITANIUM
VAA000	VARNISH
VAB000	VARNISH SYNTHETIC
ZNA000	ZINC

WEAPON FOR WHICH DESIGNED

REPLY CODE	REPLY (AF49)
ADZ	AIRCRAFT MACHINE GUN
AER	AUTOMATIC GUN
AAC	AUTOMATIC PISTOL
AEA	AUTOMATIC RIFLE
AES	CANNON
AEB	CARBINE
AEC	CONVERTED RIFLE
AET	GRENADE LAUNCHER
AED	GUN
AEW	HOWITZER
ABK	LYLE LINE THROWING GUN
ABM	MACHINE GUN
AEE	MINNI GUN
AEF	MORTAR
ACT	PISTOL
AKP	RECOILLESS RIFLE
ACU	REVOLVER
ACW	RIFLE
AEX	ROCKET LAUNCHER
AEH	SALUTING GUN
AEJ	SEMIAUTOMATIC PISTOL
AEY	SHOTGUN
AEG	SPOTTING RIFLE
AEZ	SUBCALIBER GUN
AEK	SUBCALIBER RIFLE
ADS	SUBMACHINE GUN

IDENTIFIED SECONDARY ADDRESS CODING FOR USE WITH MRC CTCJ

ISAC FIELD INDICATOR	LOCATION (0265)
1A	ALL ENDS

ISAC FIELD INDICATOR	LOCATION (0265)
1B	1ST END
1C	2ND END
1D	3RD END
1E	4TH END

FURNISHED ITEMS
FOR USE WITH MRC TMQY

REPLY CODE	REPLY (AB28)
BDS	BACKUP WASHER
AEG	BALL BEARING
AEH	BALL END
ABR	BOLT
BDT	BUSHING REDUCER
BUZ	BUTT WELD ADAPTER
AEL	CAP
ACL	CAP-CHAIN
AEM	CARRYING STRAP
BDW	CLAMP ASSEMBLY
BDX	CLAMP NUT
BDY	COUPLING NUT
BDZ	COUPLING REDUCER
ADQ	COUPLING SLEEVE
BEA	CUP WASHER
BEB	DRIVESCREW
BEC	FERRULE NUT WITH PLASTIC GRIPPERS
BVA	FIT-IN WELD ADAPTER
ADH	CUSHION UNIT
ACA	FLAT WASHER
AFC	FOLLOWER RING
ADL	FRICTION RING
ACN	GASKET
AES	GLAND NUT
ADM	GROMMET
ADN	HOSE CLAMP
AMF	JACKSCREW
AEJ	LATCH BAR
ARJ	LOCK RING
ADW	LOCKNUT
ACB	LOCK WASHER
AEK	MOUNTING BRACKET
BEL	NUT ASSEMBLY
AEA	PLUG
AFA	PLUG AND CHAIN
ADZ	PREFORMED PACKING
AFD	PREINSERTED RING
AFB	RESTRICTOR

REPLY CODE	REPLY (AB28)
BES	RETAINNG WIRE
BEW	SCREW INSERT
AFH	SEAL
AFJ	SETSCREW
BEH	JAM NUT
BEJ	KNURLED SHORT COUPLING NUT
AEJ	LATCH BAR
ARJ	LOCK RING
ADW	LOCKNUT
ACB	LOCK WASHER
ADX	LONG COUPLING NUT
AEN	MICRON FILTER
AEK	MOUNTING BRACKET
BEK	NONREUSABLE HOSE SOCKET NUT
BEL	NUT ASSEMBLY
BEM	NUT WITH SLEEVE
AEP	ORIFICE FLANGE
AEZ	ORIFICE PLATE
BEN	PIPE COUPLING
BEP	PIPE NIPPLE
BEQ	PIPE REDUCER
BER	PIPE TO TUBE ADAPTER
AEA	PLUG
AFA	PLUG AND CHAIN
ADZ	PREFORMED PACKING (O-Ring)
AFE	PREINSERTED BRAZING RING
AFD	PREINSERTED RING
AEX	REDUCER NUT
AFB	RESTRICTOR
BES	RETAINING PIN
BET	RETAINING WIRE
	Rubber Washer (use Reply Code ADZ or ACN)
BEW	SCREW INSERT
AFH	SEAL
AEB	SEGMENTED HOSE SOCKET ASSEMBLY
AFJ	SETSCREW
AEC	SHORT COUPLING NUT
BEX	SHORT COUPLING NUT WITH SLEEVE
AED	SLIP NUT
AFL	SOCKET
BEZ	SOCKET SEGMENT
BEY	SOCKET-BAND TYPE SEGMENT
ATD	SPACER
BFA	SPIGOT
AEE	SPLIT COLLET SLEEVE
BFB	SPLIT FLANGE CLAMP HALF
AEQ	SPRING GUARD
AFM	STRAINER

REPLY CODE	REPLY (AB28)
AFN	STUD
AFP	SWIVEL
BFC	SWIVEL NUT
ACZ	TAILPIECE
AXJ	THUMBSCREW
BFD	TUBE COUPLING
BFE	TUBE SUPPORT
BFF	UNION

NON-DEFINITIVE SPEC/STD DATA

REPLY CODE	REPLY (AD08)
AL	ALLOY
AN	ANNEX
AP	APPENDIX
AC	APPLICABILITY CLASS
AR	ARRANGEMENT
AS	ASSEMBLY
AB	ASSORTMENT
BX	BOX
CY	CAPACITY
CA	CASE
CT	CATEGORY
CL	CLASS
CE	CODE
CR	COLOR
CC	COMBINATION CODE
CN	COMPONENT
CP	COMPOSITION
CM	COMPOUND
CD	CONDITION
CS	CONSTRUCTION
DE	DESIGN
DG	DESIGNATOR
DW	DRAWING NUMBER
EG	EDGE
EN	END
FY	FAMILY
FG	FIGURE
FN	FINISH
FM	FORM
FA	FORMULA
GR	GRADE
GP	GROUP
BA	IMAGE COLOR
NS	INSERT

REPLY CODE	REPLY (AD08)
TM	ITEM
KD	KIND
KT	KIT
LG	LENGTH
LT	LIMIT
MK	MARK
AA	MARKER
ML	MATERIAL
BB	MAXIMUM DENSITY
MH	MESH
ME	METHOD
BC	MINIMUM DENSITY
MD	MODEL
MT	MOUNTING
NR	NUMBER
PT	PART
PN	PATTERN
PC	PHYSICAL CONDITION
PS	PIECE
PL	PLAN
PR	POINT
QA	QUALITY
RN	RANGE
RT	RATING
RF	REFERENCE NUMBER
SC	SCHEDULE
SB	SECTION
SL	SELECTION
SE	SERIES
SV	SERVICE
SX	SET
SA	SHADE
SH	SHAPE
SG	SHEET
SZ	SIZE
PZ	SPECIES
SQ	SPECIFICATION SHEET
SD	SPEED
ST	STYLE
SS	SUBCLASS
SF	SUBFORM
SP	SUBTYPE
SN	SURFACE CONDITION
SY	SYMBOL
SM	SYSTEM
TB	TABLE
TN	TANNAGE
TP	TEMPER

REPLY CODE	REPLY (AD08)
TX	TEXTURE
TK	THICKNESS
TT	TREATMENT
TR	TRIM
TY	TYPE
YN	UNIT
VA	VARIETY
WT	WEIGHT
WD	WIDTH

Reference Drawing Groups

No table of contents entries found.

REFERENCE DRAWING GROUP A Tables

INDEX OF MASTER REQUIREMENT CODES

Enter the applicable I/SAC fro Table 1 below, followed by the Mode Code and the applicable Reply Code from Table 2 below, followed by the numeric value. (e.g., AHNX1AJA0.375*;
AHNX1BJL9.5*)

Table 1

ISAC FIELD INDICATOR	LOCATION 0265)
1A	ALL ENDS
1B	1ST END
1C	2ND END
1D	3RD END
1E	4TH END

Table 2

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

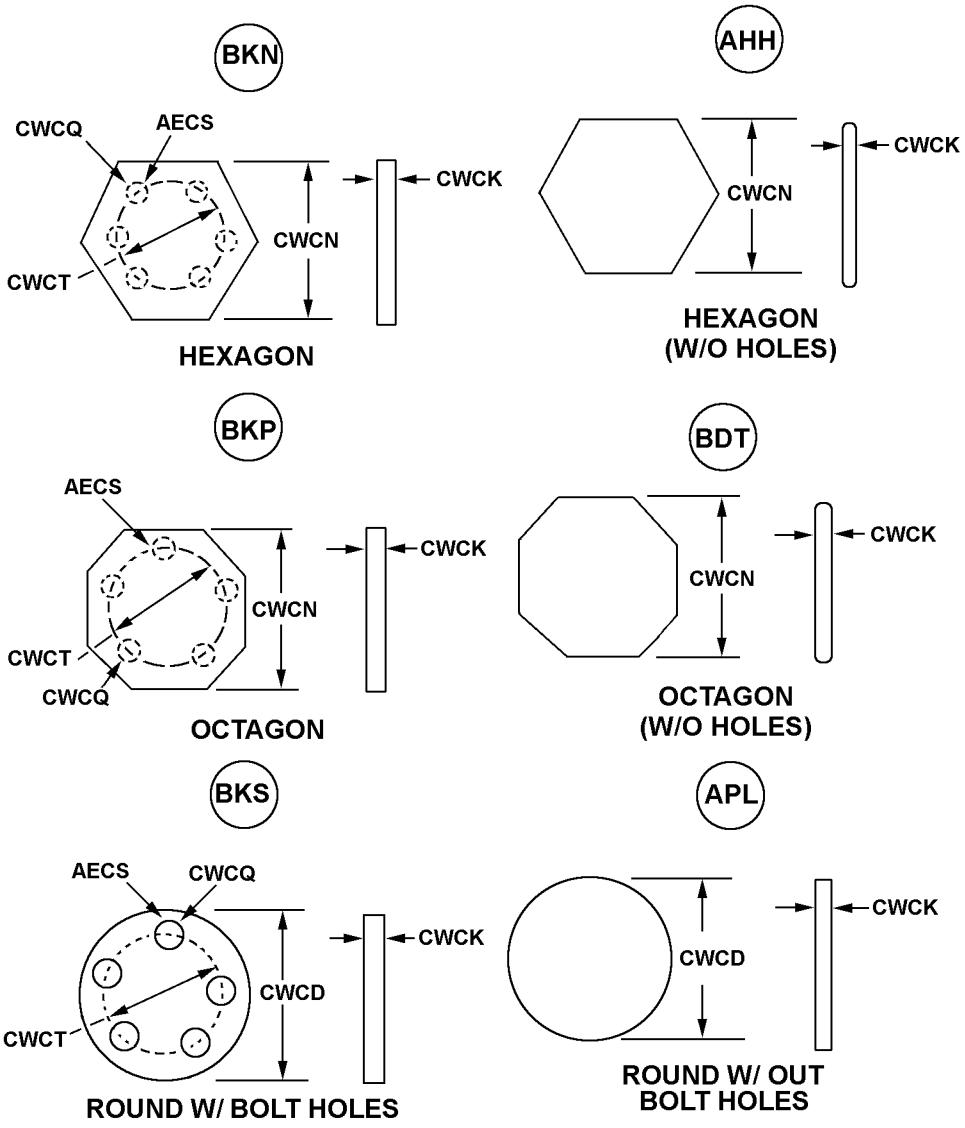
MRC	Mode Code	Name of Dimension
CWCQ	J	BOLT HOLE NOMINAL DIAMETER
CWCT	J	BOLT CIRCLE NOMINAL DIAMETER
CWCD	J	NOMINAL OUTSIDE DIAMETER
CWCK	J	NOMINAL THICKNESS
AKGG	J	NOMINAL LENGTH
AKGF	J	NOMINAL WIDTH
CWCN	J	NOMINAL WIDTH ACROSS FLATS
CWCY	J	CENTER TO CENTER NOMINAL DISTANCE BETWEEN BOLT HOLES ALONG LENGTH
CWDC	J	CENTER TO CENTER NOMINAL DISTANCE BETWEEN BOLT HOLES ALONG WIDTH

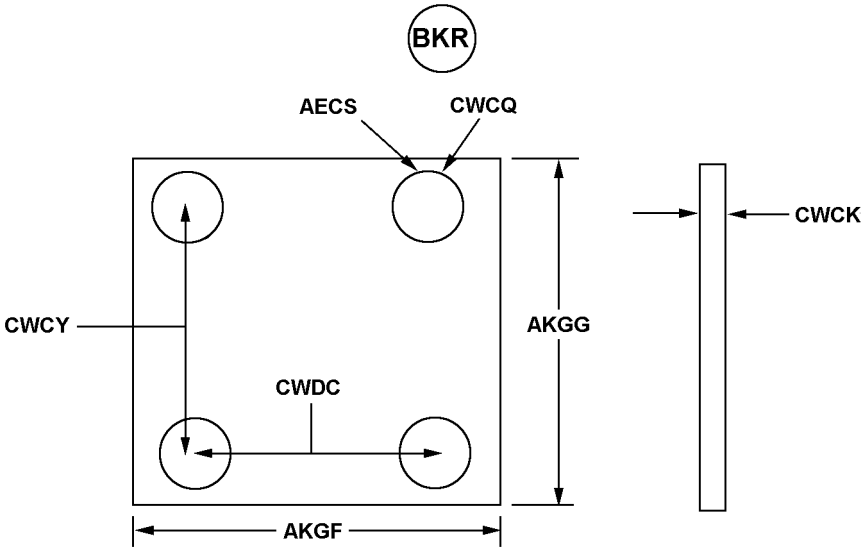
MRC	Mode Code	Name of Dimension

MRC	Mode Code	Name of Dimension
AECS	A	BOLT HOLE QUANTITY

REFERENCE DRAWING GROUP A

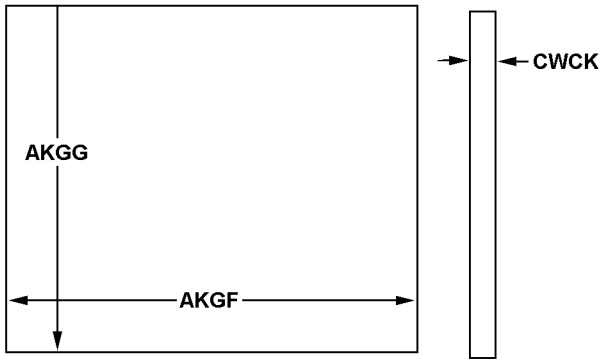
END CONNECTIONS - FLANGE SHAPE





RECTANGULAR W/ BOLT HOLES

AND



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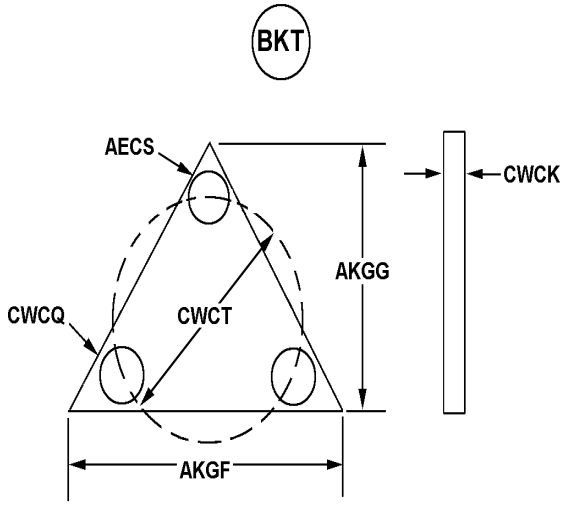
(INCLUDES SQUARES)



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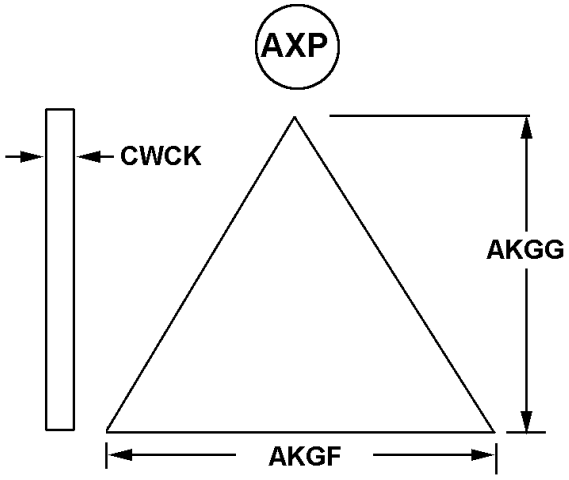
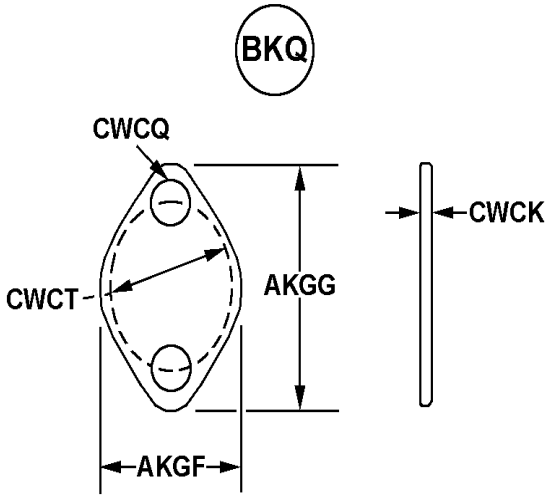
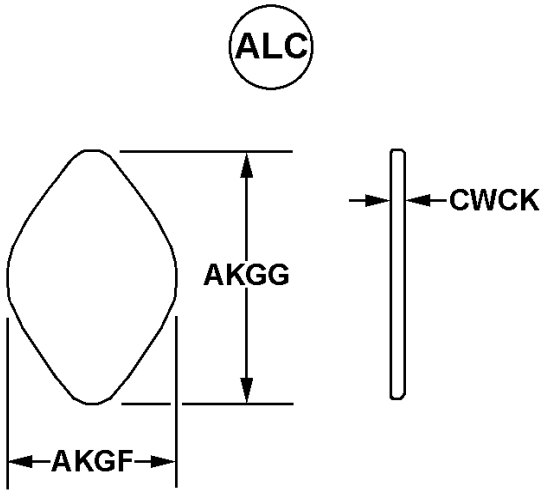


TRIANGULAR
(W/O HOLES)



OVAL W/HOLES



OVAL W/OUT HOLES

NICKEL ALLOY PIPE WALL DIMENSIONS

NOMINAL PIPE SIZE	OUTSIDE DIAMETER	NOMINAL WALL THICKNESS		
SCHEDULE 10	SCHEDULE 40	SCHEDULE 80		
1/8	0.405	0.049	0.068	0.095
1/4	0.540	0.065	0.088	0.119
3/8	0.675	0.065	0.091	0.126
1/2	0.840	0.083	0.109	0.147
3/4	1.050	0.083	0.113	0.154
1	1.315	0.109	0.133	0.179
1-1/4	1.660	0.109	0.140	0.191
1-1/2	1.900	0.109	0.145	0.200
2	2.375	0.100	0.154	0.218
2-1/2	2.875	0.120	0.203	0.276
3	3.500	0.120	0.216	0.300
3-1/2	4.000	0.120	0.226	0.318
4	4.500	0.120	0.237	0.337
5	5.563	0.134	0.258	0.375
6	6.625	0.134	0.280	0.432
8	8.625	-----	0.322	0.500

NOTE-ITEMS CONFORMING TO THE ABOVE DIMENSIONS SHALL BE APPLICABLE TO "PIPE"; ALL OTHER DIMENSIONS SHALL BE APPLICABLE TO "TUBE."

FIIG Change List

FIIG Change List, Effective September 3, 2010

Corrected the titles for the following MRCS:

CWCQ
CWCT
CWCD
CWCK
AKGG
AKGF
CWCN
CWCY
CWDC

Changed the edits to reflect the proper coding. These MRCs can not use Nom,Min,Max.